

PATENT

Application No.: 09/736,392

Atty. Dkt. No. TVG/WGATE5-14

LISTING OF THE CLAIMS

1-15. (Cancelled)

16. (Currently amended) A method for navigating video images, comprising:

receiving, by a cable headend, a navigation command initiated from a remote control associated with a set top box, the navigation command including a requested direction and being associated with a selected object on a video image, the video image having a plurality of frames corresponding to HTML frames in at least one web page, the frames being independently controllable sections in the web page, the video image being presented on a display device associated with the set top box, the selected object being within a first frame on the video image;

determining, by the cable headend, whether the selected object is located at an edge of the first frame in the requested direction;

determining whether the selected object is located at an edge of a server-side image map object and associated with a speed bump, the server-side image map comprising a plurality of navigable objects within a plurality of larger navigable objects;

receiving at least one additional navigation command in the same requested direction to get over the speed bump and navigate out of the server-side image map object;

providing navigation on the display device, the navigation being in the requested direction from the selected object in the first frame to a same-frame object that is also in the first frame, when the selected object is not located at an edge of the first frame in the requested direction; and

providing navigation on the display device, the navigation being in the requested direction from the selected object in the first frame to a different-frame object in a second frame, when the selected object is located at an edge of the first frame in the requested direction, the second frame being in the requested direction from the first frame.

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17. (Previously presented) The method of claim 16, wherein determining whether the selected object is located at the edge of the first frame is performed by a directional guide mapping application in the cable headend.

18. (Previously presented) The method of claim 17, wherein the directional guide mapping application is for generating direction guide maps and for comparing the requested direction to an edge of frame indication associated with the selected object in the directional guide maps.

19. (Previously presented) The method of claim 18, wherein the selected object is located at the edge of the first frame, if the requested direction matches the edge of frame indication.

20. (Previously presented) The method of claim 18, wherein the second frame is determined by a browser processing controller in the cable headend by searching the directional guide maps to locate a particular directional guide map that is adjacent to the first frame in the requested direction from the selected object.

21. (Previously presented) The method of claim 20, wherein the browser processing controller determines the particular directional guide map based on a comparison of geometries of the first frame and the second frame.

22. (Previously presented) The method of claim 18, wherein the directional guide maps are linked in an order corresponding to each web page.

23. (Previously presented) The method of claim 17, wherein the different-frame object is the object in the second frame that is closest to the selected object in the first frame.

24-33. (Cancelled)

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34. (New) A method for navigating video images, comprising:

initiating a navigation command from a remote control associated with a set top box, the navigation command including a requested direction and being associated with a selected object on a video image, the video image being presented on a display device associated with the set top box, the selected object being within a first frame on the video image;

initiating at least one additional navigation command in the same requested direction to get over a speed bump when the selected object is at an edge of a server-side image map object to navigate out of the server-side image map object, the server-side image map comprising a plurality of navigable objects within a plurality of larger navigable objects;

navigating on the display device in the requested direction from the selected object in the first frame to a same-frame object that is also in the first frame, when the selected object is not located at an edge of the first frame in the requested direction; and

navigating on the display device in the requested direction from the selected object in the first frame to a different-frame object in a second frame, when the selected object is located at an edge of the first frame in the requested direction, the second frame being in the requested direction from the first frame.

35. (New) The method of claim 34, wherein the different-frame object is the object in the second frame that is closest to the selected object in the first frame.